



VAL-12/24V-PS (1/4")

'Power Saver' Gas Solenoid
Valve for Boats – 12/24V

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Introduction

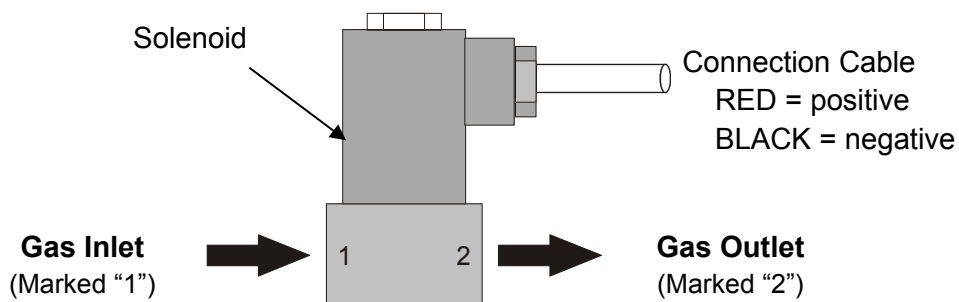
This valve is designed to control the LPG gas supply on a boat. It contains a micro-electronic circuit which greatly reduces power consumption and ensures reliable operation over the full voltage range experienced on boats. The micro-circuit provides a pulse of current to open the valve and then automatically reduces to a lower 'holding' current. As well as reducing power, the running temperature of the valve is much reduced and overall reliability increased.

These valves are ideal for use with the '-V' range of gas alarm systems from Nereus Alarms.

Warnings

- ▲ Valves must only be fitted by a competent and qualified gas engineer to applicable regulations.

Installation



- The valve must be installed on the low pressure side of the gas cylinder regulator. Check system pressure does not exceed valve pressure specification
- Valve can be mounted in any orientation
- Direction of gas flow must be from inlet (marked "1" on valve body) to outlet (marked "2")
- Red wire of connection cable to be connected to positive supply (10 - 32Vdc). Black wire of connection cable to be connected to negative supply (0V)

Specification

Valve Type	Directly Operating, Normally Closed (Powered Open) Solenoid Valve
Gas Use	Suitable for use with LPG (butane, propane)
Voltage Range	12V/24V (10 to 32 Vdc)
Power Consumption	10W for 2 secs automatically reducing to < 2.5W
Pressure Range	0 to 0.7 bar
Gas Inlet & Outlet Connections	1/4" BSPP
Internal Valve Orifice Size	6 mm
Valve Body Material	Stainless Steel AISI 303
Cable	1m length, 16 AWG, marine grade

Enclosed/Hazardous Spaces

This valve can be used in Enclosed/Hazardous Spaces where regulations permit use of electrical equipment to the following standards,

- **ISO 8846** – Small Craft. Electrical devices. Protection against ignition of surrounding flammable gases

or

- **EN 28846** – Small Craft. Electrical devices. Protection against ignition of surrounding flammable gases

Guarantee

This unit is guaranteed for one year from the date of purchase to be free from defects in materials and workmanship under normal use and service. We will, at our discretion, repair, replace or refund the price of any part of the unit which is found to be defective during the period of guarantee. This guarantee does not affect your statutory rights.